



# **Professional Standards**

#### **USDA Professional Standards**

**1200 Nutrition Concepts** 

1100 Menu Planning

1110 USDA Nutrition Requirements

1300 General Nutrition

1320 Understanding General

2100 Food Production

2130 Culinary Skills

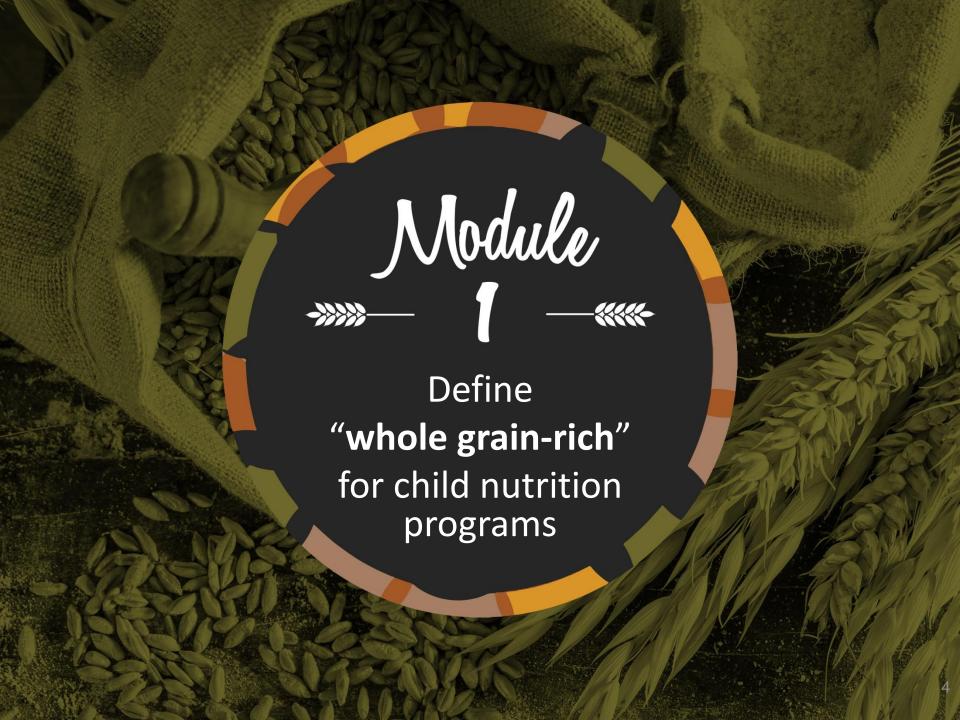
2150 Understanding Labels



# **Objectives**

- Define "whole grain-rich" for child nutrition programs
- Understand the health benefits of whole grain-rich foods
- Understand culinary tips for cooking whole grain-rich foods
- Understand all labels and documentation used to identify whole grain-rich foods







# Whole Grain Rich

- Whole grain-rich is a term that is only used for USDA nutrition programs.
- Therefore, it is sometimes difficult to determine if a processed food or recipe meet the definition of "whole grain-rich."
- Beginning July 1, 2014, <u>all</u> grains for NSLP must meet the whole grain-rich criteria.





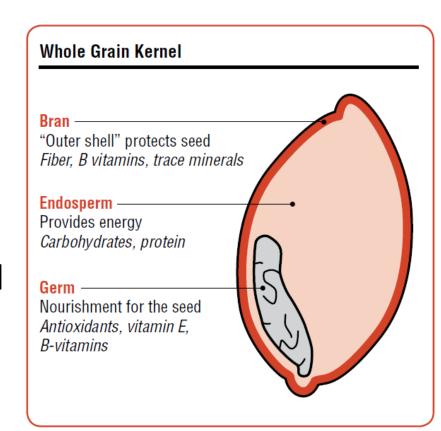
# Whole Grain Rich

 Whole grain-rich foods that qualify as whole grain-rich for child nutrition programs are foods that contain 100% whole grain or are a blend of whole-grain meal and/or flour and enriched meal and/or flour of which at least 50% whole-grain.



# What is a whole grain?

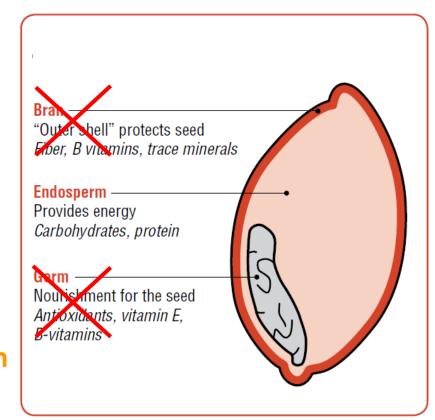
- A whole grain kernel consists of bran, germ, endosperm
- Bran protective outer shell, high in fiber and B vitamins
- Germ the seed for the new plant, contains B vitamins and some protein, minerals, and healthy oils
- Endosperm contains starch, protein, minerals, and vitamins





# Non-Whole Grains

- Non-whole grains are also called non-credible grains
- Non-whole grains only use a part of the grain
- In non-whole grains, the bran and germ are removed during processing, leaving just the endosperm
- Notice that when the bran and germ are removed from the grain there are nutrients that are lost, including fiber, B-vitamins, trace minerals, antioxidants, and vitamin-E





# What is an enriched grain?

Enriched grains means that when some of the nutrients are removed from the grain during processing

 Then some of the nutrients that were removed are added back into the grain  The nutrients that are added back in include B-vitamins (thiamin, riboflavin, niacin, folic acid) and iron



# What is whole grain-rich?

Whole grain-rich means that the grain ingredients in the recipe or product are:

- 1 50% or MORE whole grain (1st ingredient) (must have)
- 2 50% or LESS enriched grain (2<sup>nd</sup> ingredient) (may or may not have)
- 2% or less of grain ingredients that are non-whole grain and not enriched (non-creditable grain) (last ingredients) (may or may not have)

#### **Whole Wheat Bread**

Ingredients: 1 Whole grain wheat flour, 2 enriched unbleached flour, water, yeast, vital wheat gluten, sugar, contains 3 2% or less of each of the following: wheat flour, vegetable oil, salt, xanthan gum, yeast, calcium propionate, calcium sulfate, enzymes.



# **Common Whole Grain Ingredients**

These make up the "50% or MORE whole grain" portion of a "whole grain rich" food

- Grains that state "whole" or "whole grain" in front of them on the ingredient label
  - Whole wheat flour, Whole grain cornmeal
- Oats and Oatmeal
- Brown Rice
- Hulled Barley
- Many specialty grains such as Quinoa, Amaranth, Buckwheat, Wild Rice



# **Common Enriched Ingredients**

These make up "50% or LESS enriched grain" portion of a "whole grain-rich" food

- Any ingredient that has the word "enriched" in front of it
  - Enriched Wheat Flour, Enriched Cornmeal
- Some ingredients labels, especially ready to eat cereals, have enrichment or fortification vitamins added at the bottom of the ingredient label. If you aren't sure if a product or ingredient is enriched, ask your supervisor or contact the state agency at 208-332-6800.

# What is a Non-Creditable Grain

# Ingredients that are NOT whole grain and NOT enriched

Corn Starch

Whole Grain Rich

- Wheat Flour/Starch
- Modified Cornstarch
- Corn Flour
- Modified Food Starch
- Wheat Germ
- Wheat Bran
- Wheat flour
- Oat Bran
- Rice Flour/Starch
- Semolina

- Vegetable or Legume Flour/Starches/Fibers
- Potato Flour/Starch
- Soy Flour
- Chicory Root Flour
- Potato Starch
- Tapioca Starch
- Pea flour/starch/fiber
- Taro flour
- Arrowroot powder
- Nut flours/meals



## Common Non Creditable Grains

# These can only make up "2% or less of grain" portion of a "whole grain rich" food

#### Whole Wheat Bread

Ingredients: Whole grain wheat flour, enriched unbleached flour, water, yeast, vital wheat gluten, sugar, contains 2% or less of each of the following: wheat flour, potato flour, vegetable oil, salt, xanthan gum, yeast, calcium propionate, calcium sulfate, enzymes.



# Other Non-Creditable

# Legume and Starch Flours

- USDA has classified vegetable starches and legume flours and starches in the same category as nonwhole grain/noncreditable grain They are also limited by the 2% rule
- Soy flour
- Cellulose
- Potato flour/starch
- Pea flour/starch/fiber
- Nut flour/Nut meal
- Chicory Root Flour
- Tapioca Starch

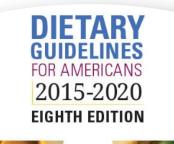




# Whole Grain-Rich are Nutritious

Whole grain-rich foods support the Dietary Guidelines for Americans and the School Meal Pattern requirements

|                                                    | Breakfast Meal Pattern                                                                            |                |                  | Lunch Meal Pattern |            |             |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------|------------------|--------------------|------------|-------------|
|                                                    | Grades<br>K-5a                                                                                    | Grades<br>6-8a | Grades<br>9-12a  | Grades K-5         | Grades 6-8 | Grades 9-12 |
| Meal Pattern                                       |                                                                                                   | Amoun          | t of Food₀ Per \ | Neek (Minimum      | Per Day)   |             |
| Fruits (cups)c,d                                   | 5 (1) e                                                                                           | 5 (1) e        | 5 (1) e          | 2½ (½)             | 2½ (½)     | 5 (1)       |
| Vegetables (cups)c,d                               | 0                                                                                                 | 0              | 0                | 33/4 (3/4)         | 33/4 (3/4) | 5 (1)       |
| Dark green f                                       | 0                                                                                                 | 0              | 0                | 1/2                | 1/2        | 1/2         |
| Red/Orange f                                       | 0                                                                                                 | 0              | 0                | 3/4                | 3/4        | 11/4        |
| Beans/Peas (Legumes) f                             | 0                                                                                                 | 0              | 0                | 1/2                | 1/2        | 1/2         |
| Starchyf                                           | 0                                                                                                 | 0              | 0                | 1/2                | 1/2        | 1/2         |
| Other f,g                                          | 0                                                                                                 | 0              | 0                | 1/2                | 1/2        | 3/4         |
| Additional Veg to Reach<br>Totalh                  | 0                                                                                                 | 0              | 0                | 1                  | 1          | 1½          |
| Grains (oz eq) i                                   | 7(1) j                                                                                            | 8 (1) j        | 9 (1) j          | 8 (1)              | 8 (1)      | 10 (2)      |
| Meats/Meat Alternates<br>(oz eq)                   | 0 k                                                                                               | 0 k            | 0 k              | 8 (1)              | 9 (1)      | 10 (2)      |
| Fluid milk (cups)1                                 | 5 (1)                                                                                             | 5 (1)          | 5 (1)            | 5 (1)              | 5 (1)      | - ALIE      |
| Other Specifications                               | : Daily Amo                                                                                       | unt Based o    | n the Averag     | e for a 5-Day      | / Week     | NAV.        |
| Min-max calories<br>(kcal) <sub>m,n,o</sub>        | 350-500                                                                                           | 400-550        | 450-600          | 550-650            | 600-700    |             |
| Saturated fat (% of total calories) <sub>n,o</sub> | < 10                                                                                              | < 10           | < 10             | < 10               | < 10       | 4//         |
| 2014-15 Sodium (mg)n, p                            | < 540                                                                                             | < 600          | < 640            | < 1230             | < 1360     | / 1         |
| 2017-18 Sodium (mg)n, p                            | < 485                                                                                             | < 535          | < 570            | < 935              | < 1035     |             |
| 2022-23 Sodium (mg)n, p                            | < 430                                                                                             | < 470          | < 500            | < 640              | < 710      | A. Carrier  |
| Trans fatn,o                                       | Nutrition label or manufacturer specifications must indicate zero grams of trans fat per serving. |                |                  |                    |            |             |







## **Health Benefits of Whole Grains**

- Provides bulk in the stomach and may prevent overeating
- Slows the digestive system for blood sugar control
- Cleanses the digestive system
- Reduces the risk of heart disease and type 2 diabetes







- Pasta comes in many shapes and sizes
- Cooking time varies on pasta shape and size
- General rule, 1 pound of pasta needs
   1 gallon of water to cook
- Cook until al'dente (firm to the bite)
  - Plan for proper holding time and temperature
  - Pasta should be served al'dente





# **Hearty Grains**

- Rice and Barley
  - Read package cooking directions
  - General rule, 1 part of rice to cook, 2 parts of liquid
  - Typically cooked in the oven or the steamer





## Warm tortillas



- Tortillas are going to be easier to handle and are less likely to crack when they are at room temperature or warm
  - Do not remove tortillas from their plastic bags
  - Place tortillas in the warmer for 1 hour or until warm
  - If tortillas begin to stick together, remove from their plastic bag and microwave for 1 minute



## **Rolls and Muffins**

- When feasible, it is best to cook baked items in a convention oven rather than convection
  - The air from convection ovens often blow the dough to the side leaving it lopsided, see muffin below





# **Lighter Grains**

- Oatmeal and Quinoa
  - Tilt/Steam Kettle
  - Tilt Skillet
  - Stovetop
  - Rice Cooker(quinoa)







### **Documents and Tools**

- There are various documents and tools approved by the USDA to determine if a product is whole grain-rich:
  - Food Label Ingredients and Nutrition Facts
  - Exhibit A: School Lunch and Breakfast Whole Grain-Rich Ounce Equivalency (OZ EQ) Requirements for School Meal Programs
  - Food Buying Guide for School Meal Programs
  - Idaho State Department of Education's Child Nutrition's (SDE CNP) Grain Calculator
  - A Manufacturer's: Product Formulation Statement
  - A Manufacturer's: CN Label



# How to Read Ingredient Lists to Determine if a Product is Whole-Grain Rich

# This product meets whole grain-rich requirements:

- 1. Whole wheat flour is the first ingredient
- 2. Remaining ingredients are enriched
- Oat fiber (noncredible grain) is listed as being 2% or less



#### **Ingredients:**

Whole wheat flour, water, enriched unbleached wheat flour (wheat flour, malted barley flour, niacin, iron as ferrous sulfate, thiamine mononitrate, enzyme, riboflavin, folic acid), yeast, sugar, wheat gluten. Contains less than 2% of the following: soybean oil, salt, oat fiber, honey, sodium stearoyl lactylate, datem, acesulfame potassium, ascorbic acid, and enzyme. May contain milk, soy, egg and sesame.



### What is the Exhibit A?

Exhibit A provides
 grain ounce
 equivalents based on
 the weights of whole
 grain-rich foods
 served in the
 National School

 It can be found in the USDA's Memo SP 30-2012:

**Lunch Program and** 

School Breakfast

Program

http://www.fns.usda.gov/tn/food-buying-guide-school-meal-programs

#### EXHIBIT A: SCHOOL LUNCH AND BREAKFAST

WHOLE GRAIN-RICH OUNCE EQUIVALENCY (OZ EQ) REQUIREMENTS FOR SCHOOL MEAL PROGRAMS<sup>1,2</sup>

|          | GROUP A                                                    | OZ EQ FOR GROUP A                          |
|----------|------------------------------------------------------------|--------------------------------------------|
| •        | Bread type coating                                         | 1 oz eq = 22 gm or 0.8 oz                  |
| •        | Bread sticks (hard)                                        | 3/4 oz eq = 17 gm or 0.6 oz                |
| •        | Chow mein noodles                                          | 1/2 oz eq = 11 gm or 0.4 oz                |
| •        | Savory Crackers (saltines and snack crackers)              | 1/4 oz eq = 6 gm or 0.2 oz                 |
| •        | Croutons                                                   |                                            |
|          | Pretzels (hard)                                            |                                            |
|          | Stuffing (dry) Note: weights apply to bread in             |                                            |
|          | stuffing.                                                  |                                            |
|          | GROUP B                                                    | OZ EQ FOR GROUP B                          |
| •        | Bagels                                                     | 1 oz eq = 28 gm or 1.0 oz                  |
|          | Batter type coating                                        | 3/4 oz eq = 21 gm or 0.75 oz               |
|          | Biscuits                                                   | 1/2 oz eq = 14 gm or 0.5 oz                |
|          | Breads (sliced whole wheat, French, Italian)               | 1/4 oz eq = 7 gm or 0.25 oz                |
|          | Buns (hamburger and hot dog)                               |                                            |
|          | Sweet Crackers <sup>4</sup> (graham crackers - all shapes, |                                            |
| -        | animal crackers)                                           |                                            |
|          | Egg roll skins                                             |                                            |
| 1        | English muffins                                            |                                            |
|          | Pita bread (whole wheat or whole grain-rich)               |                                            |
|          | Pizza crust                                                |                                            |
| 1        | Pretzels (soft)                                            |                                            |
| 1        |                                                            |                                            |
| 1        | Rolls (whole wheat or whole grain-rich)                    |                                            |
| •        | Tortillas (whole wheat or whole com)                       |                                            |
| •        | Tortilla chips (whole wheat or whole com)                  |                                            |
| •        | Taco shells (whole wheat or whole com)                     |                                            |
| <u> </u> | GROUP C                                                    | OZ EQ FOR GROUP C                          |
| •        | Cookies 3 (plain - includes vanilla wafers)                | 1 oz eq = 34 gm or 1.2 oz                  |
| •        | Combread                                                   | 3/4 oz eq = 26 gm or 0.9 oz                |
| •        | Corn muffins                                               | 1/2 oz eq = 17 gm or 0.6 oz                |
| •        | Croissants                                                 | 1/4 oz eq = 9 gm or 0.3 oz                 |
| •        | Pancakes                                                   |                                            |
| •        | Pie crust (dessert pies3, cobbler3, fruit turnovers4,      |                                            |
|          | and meat/meat alternate pies)                              |                                            |
| •        | Waffles                                                    |                                            |
| T Th     | e following food quantities from Groups A.G. must contain  | at least 16 grams of whole grain or can be |

The following food quantities from Groups A-G, must contain at least 16 grams of whole-grain or can be made with 8 grams of whole-grain and 8 grams of enriched meal and/or enriched flour to be considered whole grain-rich.

<sup>&</sup>lt;sup>2</sup> Some of the following grains may contain more sugar, salt, and/or fat than others. This should be a consideration when deciding how often to serve them.

Allowed only as dessert at lunch as specified in §210.10.

<sup>4</sup> Allowed for desserts at lunch as specified in §210.10, and for breakfasts served under the SBP.



## **Nutrition Facts and Exhibit A**

 Now that we know that the bread is whole grain-rich, let's find out how much it credits in the meal pattern by looking at the Nutrition Fact Serving Size 1 Slice (389) Servings Per Cardiner 18

food label and Exhibit A

|   | GROUP B                                      | OZ EO EOD CDOUD D            |
|---|----------------------------------------------|------------------------------|
|   | GROUP B                                      | OZ EQ FOR GROUP B            |
| • | Bagels                                       | 1 oz eg = 28 gm or 1.0 oz    |
| • | Batter type coating                          | 3/4 oz eq = 21 gm or 0.75 oz |
| • | Biscuits                                     | 1/2 oz eq = 14 gm or 0.5 oz  |
| • | Breads (sliced whole wheat, French, Italian) | 1/4 oz eq = 7 gm or 0.25 oz  |
|   |                                              | iotai Carbonydrate 15g       |
|   |                                              | Dietary Fiber 5g             |

Calories 60

Total Fat .50

Sugars 3g Protein 4g

Vitamin A

Vitamin D3 8%

Calcium Thiamin

Niacin

Calories from Fat 5

% Daily Value\*

Vitamin C

\*Percent Daily Values are based on a 2,000 calorio diet. Your daily values may be higher or lower depending on your calorie needs:

Calories: 2,000 2,500

Riboflavin

Folic Acid 10%

0% 8%

20%

 $38 \text{ gm} \div 28 \text{ gm} = 1.35 = 1.25 \text{ grain eq}.$ 

(Note: grains need to be rounded down to the nearest quarter)



#### What are the Food Buying Guide and Calculator for **Schools?**

http://www.fns.usda.gov/tn/food-buying-guide-school-meal-programs

The Food Buying Guide and Calculator are sources of current yield information and two of several program aids published by the USDA to support menu planning, food purchasing, food production, and portioning in the child nutrition programs

#### Food Buying Guide for School Meal Programs Food Buying

Calculator for Child Nutrition Programs

| Section 3 - Gr                                                                                         |                    | GI all                                    | 13                                                                             |                                           |                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Food As<br>Purchased, AP                                                                               | 2 Purchase<br>Unit | 3 Servings<br>Per<br>Purchase<br>Unit, EP | 4 Serving Size Per<br>Meal Contribution                                        | 5 Purchase<br>Unit<br>for 100<br>Servings | 6 Additional Information                                                                                                                       |
| BARLEY                                                                                                 | •                  |                                           |                                                                                |                                           |                                                                                                                                                |
| Barley<br>(Group H)                                                                                    | Pound              | 42.00                                     | ¼ cup cooked                                                                   | 2.4                                       | 1 lb dry = about 2 1/3<br>cups dry barley                                                                                                      |
| Hulled<br>Drv                                                                                          | Pound              | 21.20                                     | 1/2 cup cooked                                                                 | 4.8                                       | cups try barrey                                                                                                                                |
| oi,                                                                                                    | Pound              | 14.10                                     | % cup cooked                                                                   | 7.1                                       |                                                                                                                                                |
| BREAD <sup>2</sup>                                                                                     |                    |                                           |                                                                                |                                           |                                                                                                                                                |
| Bread (Group B)<br>Sliced<br>Fresh<br>Includes: All types                                              | Pound              | 32.00                                     | 1/2 grains serving (1/2<br>slice; must weigh at<br>least 14 g or 0.5 oz)       | 3.2                                       |                                                                                                                                                |
| Eniched White 1,<br>Whole Wheat and<br>Eniched Flour<br>Blend <sup>3</sup> , and Whole<br>Wheat breads | Pound              | 16.00                                     | 1 grains serving (1<br>slice; must weigh at<br>least 28 g or 1.0 oz)           | 6.3                                       |                                                                                                                                                |
| BREAD STICKS                                                                                           |                    |                                           |                                                                                |                                           |                                                                                                                                                |
| Bread Sticks<br>(Group A)<br>Includes: All types<br>Enriched White <sup>1</sup> ,<br>Whole Wheat and   | Pound              | 45.30                                     | ½ grains serving<br>(about 2 sticks; must<br>weigh at least 11 g or<br>0.4 oz) | 2.2                                       |                                                                                                                                                |
| Enriched Flour<br>Blend <sup>3</sup> , and Whole<br>Wheat<br>Hard                                      | Pound              | 22.60                                     | 1 grains serving (about<br>3 sticks; must weigh at<br>least 22 g or 0.8 oz)    | 4.5                                       |                                                                                                                                                |
| BULGUR                                                                                                 |                    |                                           |                                                                                |                                           |                                                                                                                                                |
| Bulgur<br>(Group H)                                                                                    | Pound              | 39.20                                     | ¼ cup cooked                                                                   | 2.6                                       | 1 lb dry = about 3 cups<br>dry bulgur                                                                                                          |
| Dry                                                                                                    | Pound              | 19.60                                     | ½ cup cooked                                                                   | 5.1                                       |                                                                                                                                                |
|                                                                                                        | Pound              | 13.00                                     | % cup cooked                                                                   | 7.7                                       |                                                                                                                                                |
| CEREAL GRAINS                                                                                          | -                  |                                           |                                                                                |                                           |                                                                                                                                                |
| Cereal Grains<br>Amaranth                                                                              | Pound              | 19.60                                     | ¼ cup cooked                                                                   | 5.1                                       | 1 lb dry = about 2 %<br>cups dry or 2.70 lb<br>(about 4 % cups) cooke<br>amaranth when prepare<br>with 2 parts water to 1<br>part dry amaranth |
| ( <b>Group H)</b><br>Dry                                                                               | Pound              | 9.82                                      | ½ cup cooked                                                                   | 10.2                                      |                                                                                                                                                |
|                                                                                                        | Pound              | 6.54                                      | % cup cooked                                                                   | 15.3                                      |                                                                                                                                                |

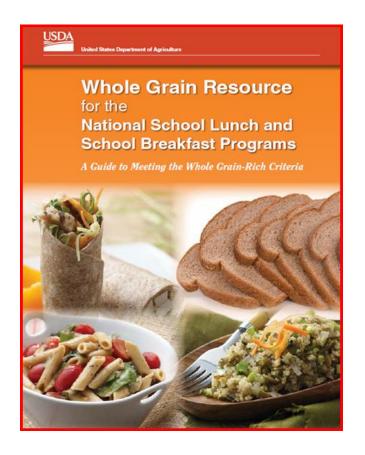
|             | Meat/Meat Alternates |
|-------------|----------------------|
|             |                      |
| RAISINS     | Fruits               |
|             | Grains/Breads        |
|             | Milk                 |
| GREAT CHEES | Other Foods          |



## What is the Whole Grain Resource?

http://www.fns.usda.gov/tn/whole-grain-resource

- The Whole Grain Resource provides an in-depth look at the whole grain-rich criteria for school meals
- It includes exercises on identifying products that meet the whole grain-rich criteria and calculation example
- It is available online in PDF form





## What is the Grain Calculator?

The grain calculator is available on My Idaho CNP in Download Forms.

- The Grain Calculator works for baked goods made from scratch
- It allows you to enter in the grain product's weight or volume and the number of servings the recipe provides
- The calculator will then show you the "creditable grain ounce equivalents" per serving

| A                     |            | В                                                                                                  |                                            |                       | Н                        | J                                                             |
|-----------------------|------------|----------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------|--------------------------|---------------------------------------------------------------|
| Calculating Gra       | ain Con    | tribution fr                                                                                       | om a Recipe Usi                            | ng Grams of Cre       | editable Grains          |                                                               |
| . Creditable Grain In |            |                                                                                                    | 3. Label                                   |                       | 4. Number of Portions    | Creditable Grain Ounce Equivalents                            |
| Vhole Wheat Flour     |            |                                                                                                    | Pounds                                     |                       | 48                       |                                                               |
| )ats                  |            | 2                                                                                                  | Cups of Quick-Cookin                       | g Oats                | 4. Enter in the number   | 5. You do not enter anything into                             |
| ornmeal, whole grai   | n          |                                                                                                    | Cups of Stone Ground                       |                       | of portions that your    | this column. Afteryou enterall of                             |
|                       |            |                                                                                                    |                                            |                       | ▼ecipe provides. This    | your information into the other                               |
|                       |            |                                                                                                    |                                            | Select Quantity Label | number only needs to     | columns, click on "#DIV/0" and it                             |
|                       |            |                                                                                                    |                                            | Choose From Dropdown  |                          | will change to a number. This is th                           |
|                       |            |                                                                                                    |                                            | Menu                  | you enter in all of your | amount of grain ounce equivalent                              |
|                       |            |                                                                                                    |                                            |                       | ngredients.              | per serving. This number has already been rounded down to the |
|                       |            |                                                                                                    |                                            |                       |                          | nearest 1/4th ounce.                                          |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            |                       |                          |                                                               |
| INSTRUCTIONS:         | 2. Enterth | ne amount of                                                                                       | 3. Click on the box i                      | n column C "Label"    |                          |                                                               |
|                       | each ingre | edient into                                                                                        | that corresponds with the quantity you     |                       |                          |                                                               |
| 100.000.000           |            | The number entered in column B. A grey arrow                                                       |                                            |                       |                          |                                                               |
| 0                     |            | needs to be a                                                                                      | appear on the right side of the box. Click |                       |                          |                                                               |
|                       |            | if you type in a on this arrow and choose the correct ou will get an label from the dropdown menu. |                                            |                       |                          |                                                               |
|                       |            |                                                                                                    |                                            | uowiimenu.            |                          |                                                               |



#### What is a Product Formulation Statement?

- Statement (PFS) is a signed certified document that provides a way for a manufacturer to demonstrate how a product may contribute to the meal pattern requirements of the USDA, Child Nutrition Programs.
- For a checklist to evaluate a PFS visit:
  - http://www.fns.usda.gov/sites/de fault/files/cn/manufacturerPFStip sheet.pdf

#### Formulation Statement for Documenting Grains in School Meals Required Beginning SY 2013-2014 (Crediting Standards Based on Grams of Creditable Grains)

| school Food Authornies (SFA:<br>o the following information or<br>redited based on previous star<br>Policy Memorandum SP 30-20<br>rediting method that best fits t                                                                                                                                                                                                                                                                                                                                                                                             | n letterhead signed by a<br>dards through SY 2012<br>12) must be used begir                                                                                                                                                 | in official company rep<br>2-2013. The new credit<br>uning SY 2013-2014. S                                                                                               | resentative. Grain ;<br>ting standards for g                                                    | products may be<br>grains (as outlined in                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Product Name: Whe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | at Smile Pancakes                                                                                                                                                                                                           |                                                                                                                                                                          | Code No.: <u>14</u>                                                                             | .005                                                                               |
| Manufacturer: <u>ABC Bread C</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Company                                                                                                                                                                                                                     | Serving Size 2 par<br>traw dough weight may                                                                                                                              |                                                                                                 | oZ)<br>reditable grain amount)                                                     |
| . Does the product meet th<br>Refer to SP 30-2012 Grain Re                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                             |                                                                                                                                                                          |                                                                                                 | Breakfast Program.)                                                                |
| I. Does the product contain<br>Products with more than 0.24<br>treditable grains may not credi<br>II. Use Policy Memorand un<br>School Breakfast Program: E<br>I (cereal grains) or Group I<br>of grain component based on c                                                                                                                                                                                                                                                                                                                                   | oz eguivalent or 3.99 g<br>it towards the grain reg<br>a SP 30-2012 Grain Ro<br>xhibit A to determine<br>(RTE b reakfast cerea                                                                                              | grams for Groups A-G o<br>quirements for school n<br>equirements for the N<br>e if the product fils int<br>ls). (Different methodo                                       | or 6.99 grams for (<br>neals.).)<br>ational School Lu<br>o Groups A-G (ba<br>logies are applied | Froup H of non-<br>unch Program and<br>aked goods), Group<br>to calculate servings |
| og; Group Huses the standard<br>veight.)<br>Indicate to which Exhibit A (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | of 28grams creditable                                                                                                                                                                                                       | grain per oz eq ; and G                                                                                                                                                  |                                                                                                 |                                                                                    |
| Description of Creditable<br>Grain Ingredient*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Grams of<br>Creditable Grain<br>Ingredient per<br>Portion                                                                                                                                                                   | Gram Standard of<br>Creditable Grain<br>per oz equivalent<br>(16g or 28g) <sup>2</sup>                                                                                   | Creditable<br>Amount                                                                            |                                                                                    |
| TTD 1 1 + G (420/)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A                                                                                                                                                                                                                           | В                                                                                                                                                                        | A ÷ B                                                                                           |                                                                                    |
| Whole wheat flour (47%)<br>Enrich flour (22%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 23.5<br>11                                                                                                                                                                                                                  | 16<br>16                                                                                                                                                                 | 1.4687<br>.6875                                                                                 | -                                                                                  |
| Edden ilodi (2270)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | - 11                                                                                                                                                                                                                        | 10                                                                                                                                                                       | .0072                                                                                           | i                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                             |                                                                                                                                                                          | 2.15                                                                                            |                                                                                    |
| Total Creditable Amount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                             |                                                                                                                                                                          | 2.00                                                                                            |                                                                                    |
| Creditable grains are whole-grains (Serving size) X (% of creditable grains. Stand and grains of creditable grains. Total Creditable Amount must be Total weight (per portion) of protal contribution of product (jecrify that the above informate proving) provides 2.00 oz equivar portion. Products with more financereditable grains may not product to the product of the proving provides 2.00 oz equivar portion. Products with more financereditable grains may not provided the proving the provided of the proving provides 2.00 oz equivar portion. | grain in formula). Please<br>ins from the corresponding<br>rounded down to the mean<br>roduct as purchased 50<br>per portion) _2.00. oz et<br>tion is true and correct<br>ralent Grains. I further<br>than 0.24 oz equivale | be aware that serving size g Group in Exhibit A. uest quarter (0.25) oz eq. g (1.750z) quivalent and that a 1.75_ ounce certify that non-credite ent or 3.99 grams for G | Do <i>not</i> round up .  portion of this pro- ble grains <b>are not</b> toups A-G or 6.99      | duct (ready for<br>above 0.24 oz eq.                                               |
| ignature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                             | Title                                                                                                                                                                    |                                                                                                 |                                                                                    |
| rinted Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             | Date                                                                                                                                                                     | Phone N                                                                                         | umher                                                                              |

# Whole Grain Rich

# What is a CN Label?

CN

One 50 oz. fully cooked Wheat Smile Pancake provides 2.00 oz equivalent whole grain rich and 1.00 oz. Equivalent grains for Child Nutrition Meal Pattern Requirements. (Use of This Logo and Statement Authorized By the Food and Nutrition Service USDA 07-16.)

CN

- A Child Nutrition (CN) label provides food manufacturers the option to include a standardized food crediting statement on their product label that is authorized by USDA, FNS to use in child nutrition programs
- A CN label must include:
  - 1. CN distinct label logo (which is a distinct border)
  - 2. The meal pattern contribution statement (if it says "bread" for whole grain-rich ingredients it is outdated
  - 3. 6-digit product identification number assigned by FNS
  - 4. USDA/FNS authorization statement
  - 5. The month and year of certification (good for 5 years)
  - 6. Product name, inspection legend, ingredient statement, manufacturer's name, signature/address line and net weight
- For more information on CN Labels visit:
   <a href="http://www.fns.usda.gov/cnlabeling/food-manufacturersindustry">http://www.fns.usda.gov/cnlabeling/food-manufacturersindustry</a>



### What about a Sales Slick?

- Don't be tricked by manufacturers' sales slicks as documentation that can be used to verify "ounce equivalents"
- Whole grain-rich processed foods require approved documentation to accurately determine "ounce equivalents"
- Must have one:
  - Nutrition Label with an Exhibit A
  - CN Label
  - Product Formulation Statement





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(1) mail: U.S. Department of Agriculture Office of the Assistant Secretary for Civil Rights 1400 Independence Avenue, SW Washington, D.C. 20250-9410;

(2) fax: (202) 690-7442; or

(3) email: program.intake@usda.gov.

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